

# **ADCYAP1** Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8670b

## **Specification**

# **ADCYAP1 Antibody - Product Information**

Application WB.E **Primary Accession** P18509 Reactivity Human Predicted Human Host Mouse Clonality monoclonal Isotype IgG1, ĸ Calculated MW 18835

## **ADCYAP1 Antibody - Additional Information**

#### Gene ID 116

### **Other Names**

Pituitary adenylate cyclase-activating polypeptide, PACAP, PACAP-related peptide, PRP-48, Pituitary adenylate cyclase-activating polypeptide 27, PACAP-27, PACAP-27, Pituitary adenylate cyclase-activating polypeptide 38, PACAP-38, PACAP-38, ADCYAP1

## Target/Specificity

This ADCYAP1 antibody is generated from a mouse immunized with a recombinant protein from the human region of human ADCYAP1.

## **Dilution**

WB~~1:8000

### **Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

ADCYAP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **ADCYAP1 Antibody - Protein Information**

## Name ADCYAP1

**Function** Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells. Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway. In



chromaffin cells, induces long-lasting increase of intracellular calcium concentrations and neuroendocrine secretion (By similarity). Involved in the control of glucose homeostasis, induces insulin secretion by pancreatic beta cells (By similarity).

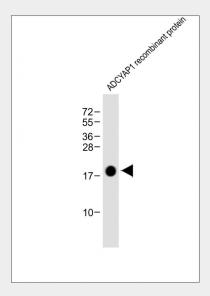
**Cellular Location** Secreted.

# **ADCYAP1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# **ADCYAP1 Antibody - Images**



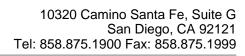
Anti-ADCYAP1 Antibody at 1:8000 dilution + ADCYAP1 recombinant protein Lysates/proteins at 20ng per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 18 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## **ADCYAP1 Antibody - Background**

Binding to its receptor activates G proteins and stimulates adenylate cyclase in pituitary cells. Promotes neuron projection development through the RAPGEF2/Rap1/B-Raf/ERK pathway.

## **ADCYAP1 Antibody - References**

Ohkubo S.,et al.DNA Cell Biol. 11:21-30(1992). Hosoya M.,et al.Biochim. Biophys. Acta 1129:199-206(1992). Ota T.,et al.Nat. Genet. 36:40-45(2004). Kimura C.,et al.Biochem. Biophys. Res. Commun. 166:81-89(1990).





Emery A.C., et al. Sci. Signal. 6:RA51-RA51(2013).